Delete prior to submittal: The specification below will act as an effective and thorough specification for a Safety Rail Company SRC360 Permanent Rail Safety System. Please contact Safety Rail Company at 1-888-434-2720 if you have questions on this Specification.

1. GENERAL
	1. SECTION INCLUDES
		1. Permanent railing system for roof edge fall protection.(SRC360 Permanent Rail)
	2. REFERENCES

A. Occupational Safety & Health Administration (OSHA):

 1. 29 CFR 1910.23 - Guarding Floor and Wall Openings and Holes.

 2. 29 CFR 1910.27 - Fixed Ladders.

 3. 29 CFR 1926.500 - Scope, Application, Definitions Applicable to this Subpart.

 4. 29 CFR 1926.501 - Duty to Have Fall Protection.

 5. 29 CFR 1926.502 - Fall Protection Systems Criteria and Practices.

 6. 29 CFR 1926.503 - Training Requirements.

B. California Occupational Safety & Health Administration (CAL OSHA):

 1. 1620 - Design of Temporary Railing.

 2. 1621 - Railings and Toe Boards.

 3. 1633 - Elevator Shafts to be Guarded.

 4. 3209 - Standard Guardrails.

 5. 3210 - Guardrails at Elevated Locations.

 6. 3211 - Wall Openings.

 7. 3212 - Floor Openings, Floor Holes and Roofs.

 8. 3213 - Service Pits and Yard Surface Openings.

 9. 3214 - Stair Rails and Handrails.

* 1. SUBMITTALS
		1. Manufacturer's data sheets on each product to be used, including:
			1. Preparation instructions and recommendations.
			2. Storage and handling requirements and recommendations.
			3. Installation methods.
		2. Shop Drawings: Drawings showing plans, elevations, sections and details of components.
	2. DELIVERY, STORAGE, AND HANDLING
		1. Deliver materials to the job site in good condition and adequately protected against damage as handrails are a finished product.
		2. Inspect rail sections for damage before signing the receipt from the trucking company. Truck driver must note damaged goods on the bill of lading if damaged product is found.
		3. Store products in manufacturer's unopened packaging until ready for installation.
	3. PROJECT CONDITIONS
		1. Field Measurements: Where handrails and railings are indicated to fit to other construction, check actual dimensions of other construction by accurate field measurements before fabrication.
	4. WARRANTY
		1. Warranty: Provide manufacture's two (2) year warranty.
1. PRODUCTS

2.1 MANUFACTURERS

* + 1. Acceptable Manufacturer: Safety Rail Company, LLC. which is located at: 4244 Shoreline Drive, Spring Park, MN 55384; Toll Free Tel: 888-434-2720; Tel: 952-594-3508; Fax: 888-471-4931; Email: sales@safetyrailcompany.com; Web: [www.safetyrailcompany.com](http://www.safetyrailcompany.com)
		2. Substitutions: Not permitted.
	1. SYSTEMS

A SRC360 Roof Edge Protection: Provide permanent pedestrian barrier system, including railings, mounts and safety connector pins.

* + - 1. Approved Product: SRC360 Permanent Safety Rail System
			2. Standards: System shall have top and mid rail in accordance with OSHA Standards - 29 CFR 1910.23 (a)(2).
			3. Structural Load: 200 lb (90.7 kg), minimum, in any direction to all components in accordance with OSHA Regulation 29 CFR 1926.502.
			4. Height: 42 inches (1067 mm), nominal.
			5. Railings: 1-5/8 inch (41 mm) O.D. hot rolled pickled electric weld tubing, free of sharp edges and snag points.
			6. Mounting Bases: SRC Permanent Mount Brackets
			7. Hardware: Securing tamper proof 3/8 bolts, 1010 carbon steel, zinc plated.
			8. Accessories: Toe Board Brackets – Provide brackets as manufactured by Safety Rail Company.
			9. Product Origin: Railings and Bases are specified as 100% made in USA. Manufacturer must provide steel mill and foundry certificates for verification upon request
			10. Quality/Standards Certifications: Manufacturer must be American Welding Society welding qualified for Welding Standards AWS D1.1 & AWS D1.3 Third party qualification documentation required prior to shipment

2.3 FINISHES

A. Finish: Hot Dipped Zinc Galvanized

B. Color: Safety Yellow; or match architect’s sample

PART 3 EXECUTION

* 1. EXAMINATION
		1. Do not begin installation until substrates have been properly prepared.
		2. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

* + 1. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

* + 1. Install in accordance with manufacturer's instructions.

3.4 PROTECTION

* + 1. Protect installed products until completion of project.
		2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION